## INTERNATIONAL SEARCH REPORT

International Application No

A. CLASSIF IPC 7	A47L9/24 A47L5/36			
According to	International Patent Classification (IPC) or to both national classification	on and IPC		
B. FIELDS S	SEARCHED			
Minimum doc IPC 7	cumentation searched (classification system followed by classification A47L	symbols)		
Documentati	on searched other than minimum documentation to the extent that suc	ch documents are included in the fields sea	rched	
Electronic da	ata base consulted during the international search (name of data base	and, where practical, search terms used)		
EPO-Int	terna1			
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with Indication, where appropriate, of the relevant	vant passages	Relevant to claim No.	
Y	WO 99/35954 A (BOSCH SIEMENS HAUSE 22 July 1999 (1999-07-22) cited in the application page 3, line 18 - line 26 page 3, line 35 - line 38 page 4, line 9 - line 10; figures		1-9	
Y	WO 86/07247 A (MOSZKOWSKI STEFAN 18 December 1986 (1986-12-18) cited in the application page 8, paragraph 3; figure 5	1-9		
	29 August 2000 (2000-08-29) figures 19-22	/		
X Furt	ther documents are listed in the continuation of box C.	X Patent family members are listed in	n annex.	
Special or A' docum consider earlier filling the character of the charact	ent defining the general state of the art which is not dered to be of particular relevance document but published on or after the international	*T* tater document published after the international filing date or priority date and not in conflict with the application but clied to understand the principle or theory underlying the invention  "X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  "Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.  *&* document member of the same patent family  Date of mailing of the international search report		
1	1 July 2004	08/07/2004		
Name and	mailing address of the ISA  European Palent Office, P.B. 5818 Patenttaan 2  NL – 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  Fax. (+31-70) 340-3016	Authorized officer Papadimitriou, S		

## INTERNATIONAL SEARCH REPORT

national Application No

		FC1/GB200		
	ation) DOCUMENTS CONSIDERED TO BE RELEVANT  Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.	
Category °	Challon of document, with indication, where appropriate, or the relevant passages		neevani to ciaim no.	
A A	US 5 584 436 A (SEPKE ARNOLD L) 17 December 1996 (1996-12-17) figures 1,2  DE 299 16 226 U (HENCH GMBH KUNSTSTOFF TECHNIK) 16 December 1999 (1999-12-16) page 10, line 14 - line 27; figures 1-3			
A	US 2002/092103 A1 (PLUMMER-BRUNO MARVA L ET AL) 18 July 2002 (2002-07-18) figure 5			
	·			
			1	
			,	
	,			
		•	·	
	,			
		•		
•				
	,			
	•			
	A230 (continuation of second sheet) (Jenuary 2004)			

## INTERNATIONAL SEARCH REPORT

Information on patent family members

national Application No

Patent document dted in search report		Publication date		Patent family member(s)	Publication date
WO 9935954	Α	22-07-1999	DE WO EP TR	19843973 A1 9935954 A1 1047332 A1 200001811 T2	22-07-1999 22-07-1999 02-11-2000 22-01-2001
WO 8607247	Α	18-12-1986	EP WO	0264362 A1 8607247 A1	27-04-1988 18-12-1986
US 6108861	Α	29-08-2000	US	5797162 A	25-08-1998
US 5584436	Α	17-12-1996	· CA	2162765 A1	19-05-1996
DE 29916226	U	16-12-1999	DE	29916226 U1	16-12-1999
US 2002092103	A1	18-07-2002	US	6378166 B1	30-04-2002